In Jional Application No PCT/US2004/043696

21.122			<u></u>				
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N5/06 C12N5/08							
According t	to International Patent Classification (IPC) or to both national classif	ication and IPC					
B. FIELDS	SEARCHED						
Minimum d	ocumentation searched (classification system followed by classifica-	ation symbols)					
IPC 7	IPC 7 C12N						
Documenta	ation searched other than minimum documentation to the extent that	such documents are included in the fields so	earched				
Electronic d	data base consulted during the international search (name of data b	ase and where practical search terms used	n				
	ternal, EMBASE, BIOSIS, WPI Data, P		,				
c pocum	ENTS CONSIDERED TO BE RELEVANT	***************************************					
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.				
X	SCHULDINER MAYA ET AL: "Effects of eight 1-35,62, growth factors on the differentiation of cells derived from human embryonic stem						
	cells" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, DC, US, vol. 97, no. 21,						
	10 October 2000 (2000-10-10), pages 11307-11312, XP002184277 ISSN: 0027-8424 the whole document						
		-/					
		-/					
,							
	ner documents are listed in the continuation of box C.	Patent family members are listed in) аппех.				
 Special cat 	tegories of cited documents:	'T' later document published after the inter	mational filing date				
'A' docume	ent defining the general state of the art which is not	or priority date and not in conflict with t cited to understand the principle or the	the application but				
	ered to be of particular relevance document but published on or after the international	invention	, , ,				
filing date A occurrent or particular relevance; the claimed invention cannot be considered novel or cannot be considered to							
which is cited to establish the publication date of another citation or other special reason (or provided by the special reason (or provided by the special reason).							
'O' docume	ent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an inv document is combined with one or more	rentive step when the re other such docu-				
other means *P' document published prior to the international filing date but later than the priority date claimed ments, such combination being obvious to a person skilled in the art. *& document member of the same patent family							
Date of the a	actual completion of the International search	Date of malling of the international sear					
25	5 October 2005	08/11/2005					
Name and mailing address of the ISA Authorized officer							
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk							
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Noë, V					

3

Int()lonal Application No PCT/US2004/043696

C (C	MANA DOCUMENTS CONCIDENTS TO BE BUILDING	PC1/US2004/043696
Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ABE K ET AL: "Endoderm-specific gene	1-75
	expression in embryonic stem cells differentiated to embryoid bodies" EXPERIMENTAL CELL RESEARCH, SAN DIEGO, CA, US,	
	vol. 229, no. 1, November 1996 (1996-11), pages 27-34, XP002985524 ISSN: 0014-4827 the whole document 	
A	GOUMANS M-J ET AL: "MOUSE EMBRYONIC STEM CELLS WITH ABERRANT TRANSFORMING GROWTH FACTORBETA SIGNALLING EXHIBIT IMPAIRED DIFFERENTIATION IN VITRO AND IN VIVO" DIFFERENTIATION, SPRINGER VERLAG, DE,	1-75
	vol. 63, no. 3, July 1998 (1998-07), pages 101-113, XP002927459 ISSN: 0301-4681 the whole document	
A	MCGRATH KATHLEEN E ET AL: "Embryonic expression and function of the chemokine SDF-1 and its receptor, CXCR4" DEVELOPMENTAL BIOLOGY, vol. 213, no. 2, 13 September 1999 (1999-09-13), pages 442-456, XP002350816 ISSN: 0012-1606 abstract	
A	ANG SIEW-LAN ET AL: "The formation and maintenance of the definitive endoderm lineage in the mouse: Involvement of HNF3/forkhead proteins" DEVELOPMENT (CAMBRIDGE), vol. 119, no. 4, 1993, pages 1301-1315, XP002350817 ISSN: 0950-1991 abstract	·
A	KANAI-AZUMA MASAMI ET AL: "Depletion of definitive gut endoderm in Sox17-null mutant mice" DEVELOPMENT (CAMBRIDGE), vol. 129, no. 10, May 2002 (2002-05), pages 2367-2379, XP002350818 ISSN: 0950-1991 abstract	
	-/	

Int()ilonal Application No PCT/US2004/043696

		PC1/05200	74/ 043090
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with Indication, where appropriate, of the relevant passages		Relevant to claim No.
A	TIEDEMANN H ET AL: "Pluripotent cells (stem cells) and their determination and differentiation in early vertebrate embryogenesis" DEVELOPMENT GROWTH AND DIFFERENTIATION, JAPANESE SOCIETY OF DEVELOPMENTAL BIOLOGISTS,, JP, vol. 43, no. 5, October 2001 (2001-10), pages 469-502, XP002335237 ISSN: 0012-1592 the whole document	·	
Ρ,Χ	KUBO A ET AL: "Development of definitive endoderm from embryonic stem cells in culture" DEVELOPMENT, COMPANY OF BIOLOGISTS, CAMBRIDGE,, GB, vol. 131, no. 7, April 2004 (2004-04), pages 1651-1662, XP002985523 ISSN: 0950-1991 the whole document		1-75
P,X	WO 2004/098490 A (MOUNT SINAI SCHOOL OF MEDICINE OF NEW YORK UNIVERSITY; KELLER, GORDON,) 18 November 2004 (2004-11-18) the whole document		1-75

Info....don on patent family members

In tional Application No
PCT/US2004/043696

Patent document cited in search report		Publication date	• •	Patent family member(s)	Publication date
·WO 2004098490	A	18-11-2004	AU CA EP	2003304106 A1 2487058 A1 1543110 A2	26-11-2004 18-11-2004 22-06-2005